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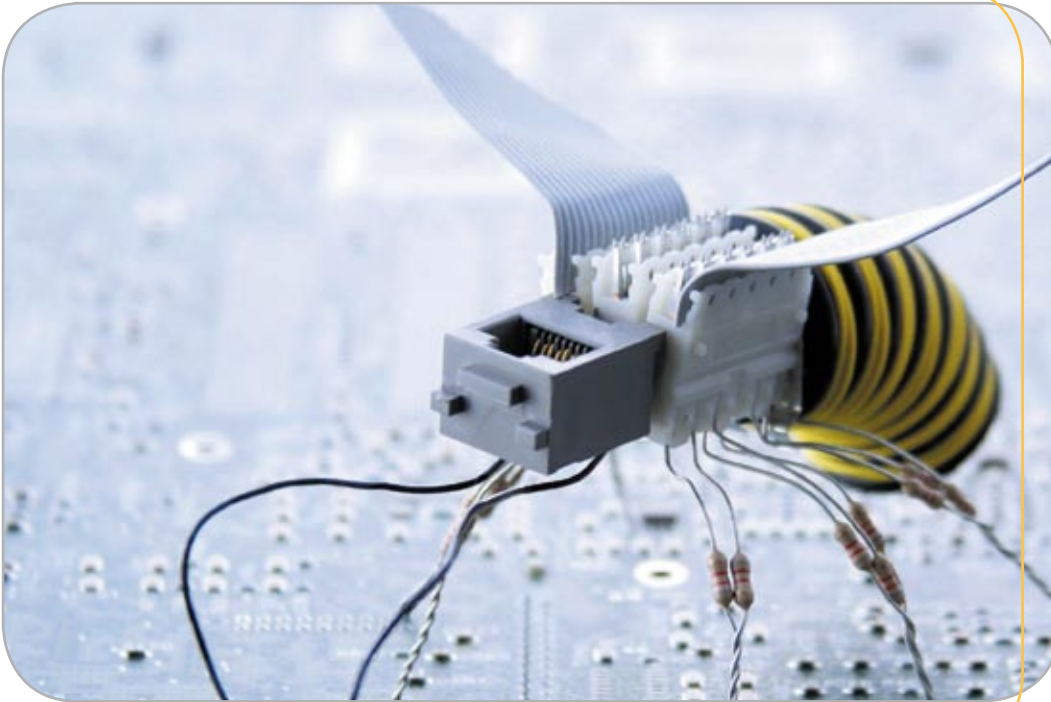
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Elementary Concepts on WIRELESS

WIRELESS -- Radio transmission through the air. Wireless is a very generic term that refers to numerous forms of transmission that do not use metal wires or optical fibers. The two most common types of wireless capabilities computers are Wi-Fi and Bluetooth.

Wi-Fi connect your computer, PDA or other devices to each other and provide secure, reliable, fast wireless connectivity. A Wi-Fi network can be used to connect computers to each other, to the Internet and to wired networks (which use IEEE 802.3 or Ethernet)

Of course, you need a Wi-Fi radio in your computing device. This can be a wireless Adapter, PCI Card, an embedded Wi-Fi USB key or a PCMCIA Card in your laptop computer or PDA.



802.11 and 802.11x refers to a FAMILY OF SPECIFICATIONS developed by the IEEE for Wireless LAN technology. 802.11 specifies an over-the-air interface between a wireless client and a Base station or between two wireless clients

802.11 -- provides 1 or 2 Mbps transmission in the 2.4 GHz band using either frequency hopping spread spectrum (FHSS) or direct sequence spread spectrum (DSSS).

802.11a -- provides up to 54Mbps in the 5GHz band. 802.11a uses an orthogonal FDM (OFDM) transmission method, two higher-speed standards followed 802.11b.

802.11b (also referred to as 802.11 High Rate or Wi-Fi standard) -- provides 11Mbps transmission in the 2.4 GHz band. 802.11b uses only DSSS.

802.11g -- provides 54Mbps in the same 2.4 GHz band. Compatible with 802.11b. (If 11b and 11g devices are communicating, it is done at the slower 802.11b speed.)

802.11n -- is intended to increase network speed and reliability and to extend the operating distance of wireless networks. Raw data throughput is expected to reach as much as 600Mbps, or more than 10 times the throughput of 802.11g.

MIMO (multiple input, multiple output) is an antenna technology for wireless communications in which multiple antennas are used at both the source (transmitter) and the destination (receiver). The antennas at each end of the communications circuit are combined to minimize errors and optimize data speed. MIMO is one of several forms of smart antenna technology



108Mbps Super G® and Super AG® employ smart Adaptive Radio Technology that automatically detects application requirements and network conditions, and responds to provide users with the highest actual throughput for each usage situation.



TP-LINK EXtended Range™ WLAN allows users to enjoy reliable, broader signal coverage, usually 2-3 times further than traditional 11b/g products, and stronger signal penetration making it much more efficient at reaching hard to reach areas such as through walls and floors.



Wireless Range : Indoors up to 200m, Outdoors up to 830m.



INFRASTRUCTURE AND AD HOC MODES

An 802.11 system works in two modes. In "infrastructure" mode, wireless devices communicate to a wired LAN via Base stations known as "access points." Each access point and its wireless devices are known as a Basic Service Set (BSS). An Extended Service Set (ESS) is two or more BSSs in the same subnet.

In "ad hoc" mode, also known as "peer-to-peer" mode, wireless devices communicate with each other directly without an access point. This is an Independent BSS (IBSS).

THROUGHPUT VARIES

The speed of 802.11 systems is distance dependent. The farther away the remote device from the Base station, the lower the speed.

Also, the actual data throughput is generally no more than half of the rated speed because 802.11 uses a collision "avoidance" technology (CSMA/CA) rather than the collision "detection" method (CSMA/CD) in wired Ethernet. Wired systems can detect a collision, but wireless cannot, thus, the CSMA/CA method waits for an acknowledgment from the other end to determine if the packet was transmitted properly. A 54Mbps rated speed yields only about 27 Mbps in real throughput.



Wireless Smart Ethernet Client Adapter, 54Mbps

Giving Ethernet-enabled devices wireless connection capabilities. The 802.11g Wireless Client Adapter allows your laptop, desktop, stereo, printer, projector, game console, workstation, audio or other consumer electronics to connect wirelessly to the internet through their Ethernet port.

- 128bit WEP, WPA and WPA2 Encryption



description	reference
wireless smart Ethernet client adapter - 54Mbps	LOG7000GS

WLAN PCMCIA Adapter, 54Mbps

- IEEE 802.11b and IEEE 802.11g compatible
- 32-bit PCMCIA Card interface
- 54Mbps
- 128-bit WEP, WPA and WPA2 Encryption
- Realtek-Chipset
- Supports Windows ME, 2000, XP, Vista

description	reference	
WLAN PCMCIA adapter - 54Mbps	DN7001GT	



WLAN PCMCIA Adapter with eXtended Range™, 54Mbps

- Adopts TP-LINK eXtended Range™ Wireless LAN transmission technology, resulting in transmission distance of 2-3 times of the normal 11b, 11g products, transmission range is extended 4-9 times.
- 54Mbps
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference	
WLAN PCMCIA adapter with eXtended Range™ - 54Mbps	TLWN510G	



WLAN USB 2.0 Adapter, 54Mbps

- IEEE 802.11b and IEEE 802.11g compatible
- USB 2.0 compliance
- 54Mbps
- 128-bit WEP, WPA and WPA2 Encryption
- Realtek-Chipset
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference	
WLAN USB 2.0 adapter - 54Mbps	DN7003GT	



WLAN USB 2.0 Adapter, 54Mbps

- IEEE 802.11b and IEEE 802.11g compatible
- USB 2.0 compliance
- 54Mbps
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference	
WLAN USB 2.0 adapter - 54Mbps	TLWN321G	



WLAN USB 2.0 Adapter comp. SONY PSP, 54Mbps

- IEEE 802.11b and IEEE 802.11g compatible
- USB 2.0 compliance, 4dBi detachable antenna
- 54Mbps
- Provides Soft AP, supports PSP connection
- 256-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference	
WLAN USB 2.0 adapter - 54Mbps	TLWN422G	





WLAN PCI Adapter, 54Mbps

- IEEE 802.11b and IEEE 802.11g compatible
- 32-bit PCI card interface
- 54Mbps
- 128-bit WEP, WPA and WPA2 Encryption
- Realtek-Chipset
- Detachable external antenna
- Supports Windows ME, 2000, XP, Vista

description	reference
WLAN PCI adapter - 54Mbps	DN7006GT



WLAN PCI Adapter, 54Mbps - Detachable Antenna, eXtended Range™

- Adopts TP-LINK eXtended Range™ Wireless LAN transmission technology, resulting in transmission distance of 2-3 times of the normal 11b/g products, transmission range is extended 4-9 times.
- 54Mbps
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Detachable reverse SMA connector antenna
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference
WLAN PCI adapter with detachable antenna - 54Mbps	TLWN551G



WLAN PCI Adapter, 54Mbps - Fixed Antenna

- IEEE 802.11b and IEEE 802.11g compatible
- 54Mbps or 11Mbps WLAN
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Fixed antenna
- Supports Windows 98, ME, 2000, 2003, XP, XP64, Vista

description	reference
WLAN PCI adapter with fixed antenna - 54Mbps	TLWN353G



WLAN Access Point, 54Mbps

- IEEE 802.11b/g (DSSS) compatible
- 54Mbps
- Supports WDS repeater mode, AP client mode and bridging mode
- 128-bit WEP, WPA Encryption
- ESSID authentication / MAC address control
- Built-in DHCP Server
- Web-based configuration

description	reference
WLAN access point - 54Mbps	DN7018



WLAN Access Point, 54Mbps, eXtended Range™

- IEEE 802.11b and IEEE 802.11g compatible
- 54Mbps, detachable omni-directional Antenna (reverse SMA connector)
- Adopts 2x to 3x eXtended Range™
- Supports AP/AP Client / Repeater / Bridge / WDS modes
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Provides Wireless LAN ACL (Access Control List) filtering
- Built-in DHCP server
- Supports remote and Web management

description	reference
WLAN access point - 54Mbps	TLWA501G

WLAN Broadband Router, 54Mbps

- Usable for DSL / Cable - Modem
- IEEE 802.11g compatible, 54Mbps
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- 128-bit WEP, WPA, WPA2 Encryption
- Indoor range approx. 35~100m, outdoor range 100~300m
- NAT & SPI Firewall security, DOS detection
- DCHP server support
- Web-based management

description	reference	
WLAN broadband router - 54Mbps	DN7019	



Wireless Router, 54Mbps, eXtended Range™

- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- 54Mbps
- Adopts 2x to 3x eXtended Range™
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Built-in NAT and DHCP server supporting static IP address distribution
- Supports Virtual Server, Special Application, and DMZ host
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering
- Supports UPnP, Dynamic DNS, Static Routing, VPN pass-through
- Supports remote and Web management

description	reference	
WLAN broadband router - 54Mbps	TLWR541G	



Wireless AP Client Router, 54Mbps, eXtended Range™

- Supports AP Client Router and AP Router operation mode.
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- 54Mbps
- Adopts 2x to 3x eXtended Range™
- Supports WIFI Internet Access (WISP), Supports WDS
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Built-in NAT and DHCP server supporting static IP address distributions
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering
- Supports UPnP, Dynamic DNS, Static Routing, VPN pass-through
- Supports Web management

description	reference	
WLAN AP Client router - 54Mbps	TLWR543G	



Wireless ADSL2+ Router, 54Mbps, eXtended Range™

- 3-in-1: ADSL2+ modem 4-port Ethernet router and wireless G access point
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- Adopts 2x to 3x eXtended Range™ Wireless LAN transmission technology.
- Built-in firewall supporting IP address filtering, MAC address filtering and parental control
- Supports DHCP, UPnP, and includes a user-friendly Setup Wizard
- Administer and upgrade the router remotely over the Internet

description	reference	
Wireless ADSL2+ router - 54Mbps	TDW8910G	





WLAN PCMCIA Adapter, 108Mbps Super G, eXtended Range™

- IEEE 802.11b, IEEE 802.11g (Super G) compatible
- Adopts TP-LINK Extended Range™ Wireless LAN transmission technology, resulting in transmission distance of 2-3 times of the normal 11b, 11g products, transmission range extended to 4-9 times.
- 32-bit PCMCIA card interface
- 152-bit WEP, WPA, WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 98SE, ME, 2000, XP, Vista



description	reference
WLAN PCMCIA adapter - 108Mbps	TLWN610G

WLAN USB Adapter, 108Mbps Super G



- IEEE 802.11b, IEEE 802.11g, 802.11g (Super G) compatible
- USB 2.0 compliance
- 108Mbps
- 128-bit WEP, WPA Encryption
- Atheros-Chipset
- Supports Windows 98SE, ME, 2000, XP, Vista



description	reference
WLAN USB adapter - 108Mbps	DN7033A

WLAN USB Adapter, 108Mbps Super G, eXtended Range™



- IEEE 802.11b, IEEE 802.11g (Super G) compatible
- Adopts TP-LINK Extended Range™ Wireless LAN transmission technology, resulting in transmission distance of 2-3 times of the normal 11b, 11g products, transmission range extended to 4-9 times.
- USB 2.0 compliance
- 152-bit WEP, WPA, WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 98SE, ME, 2000, XP, Vista



description	reference
WLAN USB adapter - 108Mbps	TLWN620G

WLAN PCI Adapter, 108Mbps Super G, eXtended Range™



- IEEE 802.11b/g, IEEE 802.11g+ (Super G) compatible
- Adopts TP-LINK Extended Range™ Wireless LAN transmission technology, resulting in transmission distance of 2-3 times of the normal 11b, 11g products, transmission range extended to 4-9 times.
- 32-bit PCI card interface
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Detachable reverse SMA connector antenna
- Supports Windows 98SE, ME, 2000, XP, Vista



description	reference
WLAN PCI adapter - 108Mbps	TLWN651G

WLAN PCI Adapter, 108Mbps Super G, eXtended Range™

- IEEE 802.11b/g, IEEE 802.11g+ (Super G) compatible; with two Ultra-Mini SMT-GSC Antenna connector
- Adopts 2x to 3x eXtended Range™ Wireless LAN transmission technology
- 32-bit PCI card interface, mini PC connector
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports Ad-Hoc/Infrastructure modes
- Detachable reverse SMA connector antenna
- Supports Windows 98SE, ME, 2000, XP, Vista



description	reference
WLAN PCI adapter - 108Mbps	TLWN660G



WLAN Broadband Router, 108Mbps Super G, eXtended Range™

- IEEE 802.11b/g, IEEE 802.11g+ (Super G) compatible, 108Mbps
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- Adopts 2x to 3x eXtended Range™
- Built-in NAT and DHCP server supporting static IP address distributing
- Supports Virtual Server, Special Application, and DMZ host, parental control
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering
- Supports UPnP, Dynamic DNS, Static Routing, VPN pass-through
- Supports remote and Web management



description	reference
WLAN broadband router - 108Mbps	TLWR642G



WLAN ADSL2+ Router, 108Mbps Super G, eXtended Range™

- 3-in-1: ADSL2+ modem, 4-port Ethernet router and Wireless G Access Point
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X
- Adopts 2x to 3x eXtended Range™ Wireless LAN transmission technology
- Built-in firewall supporting IP address filtering, MAC address filtering and parental control
- Supports DHCP, UPnP, and includes a user-friendly Setup Wizard
- Administer and upgrade the router remotely over the Internet



description	reference
WLAN broadband router - 108Mbps	TDW8920G



WLAN Access Point, 108Mbps Super G, eXtended Range™

- IEEE 802.11b/g, IEEE 802.11g+ (Super G) compatible
- Adopts 2x to 3x eXtended Range™ and 108Mbps Super G™ Wireless LAN transmission technology.
- 108Mbps or 11Mbps WLAN
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Built-in DHCP server, supports TCP/IP and MAC address filtering
- Supports multiple operating modes (Access Point, Client, Repeater, Point to Point, Point to Multi-point)
- Supports remote and Web management



description	reference
WLAN access point - 108Mbps	TLWA601G



WLAN N PCMCIA Adapter, 300Mbps



This PCMCIA card adapter complies with Draft 802.11n next generation wireless standard. Using the advanced MIMO technology, it can support the data transmission rate of up to 300Mbps and the coverage distance is far than IEEE 802.11g/b products.

- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 32-bit PCMCIA card interface
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- Supports WPS (WiFi Protected Setup)
- Supports Windows 2000, XP, XP64, Vista

description	reference	
WLAN PCMCIA adapter - 300Mbps	DN7051	

WLAN N PCMCIA Adapter, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- Adopts CCA technology which automatically avoids channel conflicts using its channel selection feature
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- Supports WPS (WiFi Protected Setup)
- Supports Ad-Hoc/Infrastructure modes
- Supports Windows 2000, XP, Vista

description	reference	
WLAN PCMCIA adapter - 300Mbps	TLWN811N	

WLAN N ExpressCard™ Adapter, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- PCI ExpressCard™ interface
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- Supports WPS (WiFi Protected Setup)
- Supports Windows 2000, XP, XP64, Vista

description	reference	
WLAN ExpressCard™ adapter - 300Mbps	DN7052	

WLAN N USB 2.0 Adapter, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- USB 2.0 interface
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- Supports WPS (WiFi Protected Setup)
- Supports Windows 2000, XP, XP64, Vista

description	reference	
WLAN USB 2.0 adapter - 300Mbps	DN7053	

WLAN N USB 2.0 Adapter, 300Mbps

- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- Supports Ad-Hoc/Infrastructure modes
- Supports 64/128-bit WEP Encryption and WPA (TKIP/AES), supports MIC, Share Key Authentication
- Supports WPS (WiFi Protected Setup).
- Supports Windows 2000, XP, Vista

description	reference	
WLAN USB 2.0 adapter - 300Mbps	TLWN821N	



WLAN N PCI Adapter, 300Mbps

- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 32-bit PCI card interface
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- Supports WPS (WiFi Protected Setup)
- Supports Windows 2000, XP, XP64, Vista

description	reference	
WLAN PCI adapter - 300Mbps	DN7056	



WLAN N PCI Adapter, 300Mbps

- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- Supports Ad-Hoc/Infrastructure modes
- Supports 64/128-bit WEP Encryption and WPA (TKIP/AES), supports MIC, Shared Key Authentication
- Supports WPS (WiFi Protected Setup)
- Supports Windows 2000, XP, Vista

description	reference	
WLAN PCI adapter - 300Mbps	TLWN851N	



WLAN N PCI Adapter, 300Mbps

- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- 3 transmitting and 3 receiving MIMO infrastructure compared with the common 2 transmitting and 3 receiving infrastructure brings improved wireless transmission rates and stability.
- Adopts CCA technology which automatically avoids channel conflicts using its channel selection feature
- Supports WPS (WiFi Protected Setup)
- Supports Ad-Hoc/Infrastructure modes
- 152-bit WEP, WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1x
- Supports Windows 2000, XP, Vista

description	reference	
WLAN PCI adapter - 300Mbps	TLWN951N	



WLAN N PCI Express Adapter, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- PCI Express interface
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- Supports WPS (WiFi Protected Setup)
- Drivers for Windows 2000, XP, XP64, Vista



description	reference	
WLAN PCI Express adapter - 300Mbps	DN7057	

WLAN N Broadband Router, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- Supports 64/128-bit WEP Encryption and WPA-PSK, WPA2-PSK Security
- NAT/NAPT IP Sharing, Anti-DoS Firewall, Virtual Server/DMZ
- Supports Special Applications (Port Triggers)
- Supports UPnP, DDNS, static routing, VPN Pass-through, DHCP server
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X

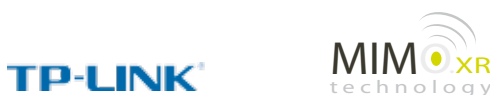


description	reference	
WLAN broadband router - 300Mbps	TLWN841ND	

Advanced WLAN N Broadband Router, 300Mbps



- Complies with 2.4GHz Draft 802.11n and backward compatible with IEEE 802.11g/b standards
- 300Mbps
- 3 transmitting and 3 receiving MIMO infrastructure compared with the common 2 transmitting and 3 receiving infrastructure brings improved wireless transmission rates and stability.
- Supports 64/128-bit WEP and WPA/WPA2 Encryption, Shared Key Authentication, IEEE 802.1X
- NAT/NAPT IP Sharing, Firewall, MAC, URL filtering, Virtual Server/DMZ
- Supports Special Applications (Port Triggers)
- Supports UPnP, DDNS, static routing, VPN Pass-through, DHCP server
- 4-port 10/100Mbps Ethernet switch, Auto MDI / MDI-X



description	reference	
WLAN broadband router - 300Mbps	TLWN941ND	

Wireless LAN 54 Mbps Signal Booster

- IEEE 802.11g and 802.11b compatible
- Stronger output power improves significantly the link quality and coverage distance of Wireless LAN devices
- 500/200/100 mW output power adjustable enables the booster to be used for various environments
- Provide extend cable with 75 cm length for AP re-location
- 2 x Reverse SMA female connectors

description		reference	
WLAN signal booster	12 dBi receiver gain	ECO100	



WLAN Omni-directional Rod Antenna

- Omni-directional operation
- Suitable for 2.4GHz WLAN - IEEE 802.11b/g
- RP-SMA connector
- Suitable stand: DN70106

description			reference	
WLAN rod antenna	5 dBi	30 cm ; Ø 1.3 cm	DN70100	
	7 dBi	30 cm ; Ø 1.3 cm	DN70104	
	9 dBi	38.5 cm ; Ø 1.3 cm	DN70105	



Stand for WLAN Antennas

- RP-SMA connector



DN70106



DN70108

description		reference	
antenna Base for DN70104 / DN70105		DN70106	
magnetic Base		DN70101	
Base for WLAN MIMO		DN70108	

WLAN Indoor Omni-directional Antenna

- Omni-directional operation
- IEEE 802.11b/g compatible
- 5dBi signal gain
- RP-SMA male connector
- Dimension: 202 x 50 x 50 mm (LxWxH)

description		reference	
WLAN indoor omni-directional antenna	5 dBi	LOGON	LOG70100
		TP-LINK	TLANT2405C



WLAN Indoor Directional Antenna

- Directional operation
- IEEE 802.11b/g compatible
- 6dBi signal gain
- RP-SMA male connector

description			reference	
directional antenna	6 dBi	80 x 80 x 158 mm LxWxH	TLANT2406A	



WLAN Omni-directional Flat Antenna

- 5.0 dBi signal gain
- Omni-directional operation
- IEEE 802.11a/b/g compatible
- RP-SMA connector
- Dimension: 16.5 x 2.6 x 0.6 cm
- Delivery includes hook and loop fastener

description		reference	
WLAN flat antenna		DN70107	





TP-LINK®

WLAN Outdoor Directional Antenna

- 14 dBi signal gain
- Directional antenna
- IEEE 802.11b/g compatible
- RP-SMA male connector
- Dimension: 240 x 240 x 40 mm (LxWxH)
- Pole mount / wallmount style
- Can be used indoor and outdoor

description	reference
WLAN directional antenna	TLANT2414B



DIGITUS®

WLAN Directional Patch Antenna

- 10 dBi signal gain
- Directional antenna
- IEEE 802.11a/b/g compatible
- RP-SMA connector
- Dimension: 10 x 7.5 x 2.2 cm
- Incl. adjustable wall bracket and adapter
- Can be used indoor and outdoor

description	reference
WLAN patch antenna	DN70102



DIGITUS®

WLAN Heavy-duty Sector Antenna

- Impedance: 50 ± 5
- 12 dBi signal gain
- Directional antenna ; Polarization: Vertical
- RP-SMA connector
- RG-316 cable, 1 m length
- Dimension: 23.3 x 11 x 5 cm

description	reference
WLAN sector antenna	DN70103



DIGITUS®

WLAN Antenna Extension Cable

- SMA reverse female <-> SMA male
- Gold plated contacts

description	length	brand	reference
WLAN antenna extension cable	2 m	DIGITUS® blister	DB-192732
	3 m		DB-180753
	5 m		DB-180760
	3 m	TP-LINK®	TLANT24EC3S
	5 m		TLANT24EC5S

SMA Connector/Adapter

- SMA male
- Clamp connector



reference
T SMA2111

- SMA female
- Adapter connector



reference
T SMA2112

- SMA male to female adaptor



reference
T SMA2119

- SMA female to N male adaptor



reference
T SMA2128

USB 2.0 Data Transfer / Netlink Cable

You are able to connect 2 PCs via High-speed USB

- Peer to Peer connection (up to 16 PC)
- Supports USB Full / High-speed Control / Interrupt / Bulk Endpoint Transfer
- Supported protocols: TCP-IP, NetBEUI and IPX/SPX
- Supports Windows 98, ME, 2000, XP

description	reference	
USB data transfer /netlink cable	LOG3004	



USB to 10/100Mbps Adapter

- Ethernet IEEE 802.3 10BaseT compatible
- 1x RJ45 (STP) port, USB female type A
- Realtek chipset
- Plug & Play
- Supports Windows ME, 98SE, 2000, XP, Vista

description	reference	
USB to 10/100Mbps adapter	USB 2.0	DN3016



10/100Mbps Fast Ethernet PCI Card

- Realtek Chipset
- IEEE 802.3 and IEEE 802.3u compatible
- 20/200Mbps full duplex
- PCI Local Bus Rev.2.1 and 2.2 compatible
- Supports Windows / Linux / MAC

description	reference	
10/100Mbps PCI card		DN1001



10/100Mbps Fast Ethernet PCI Card

- Realtek Chipset
- IEEE 802.3 and IEEE 802.3u compatible
- 20/200Mbps full duplex
- PCI Local Bus Rev.2.1 and 2.2 compatible
- Supports Windows / Linux / Netware

description	reference	
10/100Mbps PCI card		TF3239DL



10/100Mbps Fast Ethernet PCI Card

- Supports ACPI, PCI power management
- Supports Full Duplex Flow Control (IEEE 802.3x)
- Auto-setups IRQ and I/O address
- Supports Windows 95, NT, 2000, XP / Linux / Netware

description	reference	
10/100Mbps PCI card		TF3283



10/100Mbps Fast Ethernet PCMCIA Card

- IEEE 802.3 and IEEE 802.3u compatible
- 32-bit PCMCIA Card interface
- 20/200Mbps in full duplex
- Supports Windows 98, 98SE, ME, 2000, XP, Vista

description	reference	
10/100Mbps PCMCIA card	DIGITUS	DN2002C
	TP-LINK	TF5239



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Desktop 10/100Mbps switch



- IEEE 802.3 and IEEE 802.3u compatible
- Automatic speed and half / full duplex detection / configuration
- Store and Forward architecture
- Auto MDI / MDI-X function
- External power supply

description		reference
desktop 10/100Mbps switch	5 port	DN5001D
	8 port	DN5002C
	16 port	DN5003D

Unmanaged 10/100Mbps Desktop Switch



- IEEE 802.3 and IEEE 802.3u compatible
- Automatic speed and half / full duplex detection / configuration
- Store and Forward architecture
- Auto MDI / MDI-X function
- External power supply

description		reference
desktop 10/100Mbps switch	5 port	TLSF1005D
	8 port	TLSF1008D
	16 port	TLSF1016D

Unmanaged 10/100Mbps Rack-mount Switch



- IEEE 802.3 and IEEE 802.3u compatible
- Supports IEEE 802.3x flow control for Full Duplex mode and backpressure for half-duplex mode
- Store and Forward architecture
- Auto MDI / MDI-X function
- Internal universal power supply
- 19" rack-mountable steel case

description		reference
19" 10/100Mbps switch	16 port	TLSF1016
	24 port	TLSF1024
	48 port	TLSF1048

19" 10/100Mbps switch



- IEEE 802.3 and IEEE 802.3u compatible
- Automatic speed and half / full duplex detection / configuration
- Store and Forward architecture
- Auto MDI / MDI-X function
- External power supply

description		reference
19" 10/100Mbps switch	16 port	DN6001D
	24 port	DN6002C

USB 2.0 to 10/100/1000Mbps Gigabit Adapter

- Ethernet IEEE 802.3 100BaseT compatible
- USB 2.0 full speed
- 1 x RJ45 (STP) port, USB female type A
- Plug & Play
- ASIX chipset
- Supports Windows 98SE, ME, 2000, XP, Vista 32/64-bit

description	reference
USB 2.0 to 10/100/100Mbps adapter	DN3022



10/100/1000Mbps Gigabit PCI Card

- PCI Local Bus Master Rev.2.1 and 2.2 compatible
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab compatible , IEEE 802.3x full-duplex Flowcontrol
- Supports 10/100/1000Mbps
- Supports Auto-Negotiation and Crossover detection
- Wake-On-LAN and VLAN tagging
- Realtek chipset
- Supports Windows 98SE, ME, 2000, XP, Vista

description	reference
10/100/1000Mbps PCI card	DN1011



10/100/1000Mbps Gigabit PCI Card

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab compatible, IEEE 802.3x full-duplex Flowcontrol
- Supports 1000Mbps full duplex
- Supports Auto-Negotiation
- Wake-On-LAN and VLAN tagging
- Supports Auto-MDI / MDI-X
- Plug-and-Play
- Supports Windows / Linux / Netware

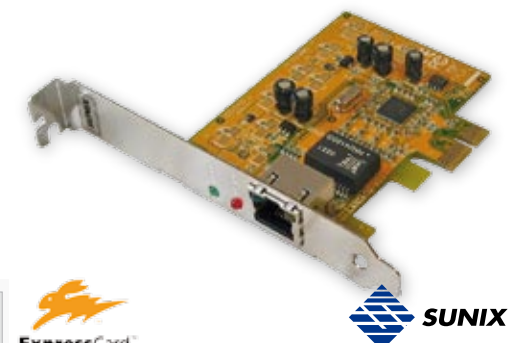
description	reference
10/100/1000Mbps PCI card	TG3269



10/100/1000Mbps PCI Express

- One-lane 2.5 Gbps PCI Express
- Supports 10/100/1000Mbps Base-T Networking
- Supports Windows / Linux
- Plug-and-Play

description	reference
10/100/1000Mbps PCI ExpressCard	CARTPE060



10/100/1000Mbps Gigabit PCI Card

- One-lane 2.5 Gbps PCI Express
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab compatible, IEEE 802.3x full-duplex Flowcontrol
- Supports Auto-Negotiation, Auto MDI / MDI-X
- Wake-On-LAN and VLAN tagging
- Plug-and-Play
- Supports Windows / Linux

description	reference
gigalan	TG3468



10/100/1000Mbps PCI Express Network Card



- One-lane 2.5 Gbps PCI Express
- Supports 10/100/1000Mbps IEEE 802.3 specification, Auto-Negotiation
- Supports Auto MDI / MDI-X crossover at all speed
- Supports Wake-On-LAN power management
- Supports Windows 2000, XP, Server 2003, Vista

description	reference	
10/100/1000Mbps PCI ExpressCard™	DN1013	

10/100/1000Mbps Gigabit PCMCIA Card



- IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3x Flow control compatible
- 32-bit PCMCIA Card interface
- 20/200/2000Mbps full duplex
- VLAN tagging
- Supports Windows, Linux

description	reference	
10/100/1000Mbps PCMCIA card	TG5269	

10/100/1000Mbps Gigabit PCMCIA Card



- IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3x compatible
- 32-bit PCMCIA Card interface
- 20/200/2000Mbps full duplex
- Supports Windows 98, 98SE, ME, 2000, XP, Vista

description	reference	
10/100/1000Mbps PCMCIA card	DN2004	

10/100/1000 Express PCMCIA Card



- 1 port 10/100/1000Mbps Gigabit Ethernet ExpressCard™
- Compliant with ExpressCard/34 standard
- One-lane 2.5 Gbps PCI Express
- Supports Windows, Linux
- Plug-and-Play

description	reference	
10/100/1000Mbps PCMCIA ExpressCard™	TCARDEXP015	
	TCARDEXP015LC	

Desktop 10/100/1000Mbps Gigabit Switch

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab Ethernet compatible
- Half / full duplex operation at 10/100Mbps, full duplex at 1000Mbps
- Automatic speed and half / full duplex recognition / adjustment
- Auto MDI / MDI-X function
- External power supply

description		reference
desktop 10/100/1000Mbps switch	5 port	DN8007C2
	8 port	DN8006C2



Desktop 10/100/1000Mbps Gigabit Switch

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab Ethernet compatible
- Half / full duplex operation at 10/100Mbps, full duplex at 1000Mbps
- Automatic speed and half / full duplex recognition / adjustment
- Auto MDI / MDI-X function
- External power supply

description		reference
desktop 10/100/1000Mbps switch	5 port	TLSG1005D
	8 port	TLSG1008D



19" 10/100/1000Mbps Gigabit Unmanaged Switch

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3x compatible
- Full duplex transfer mode for 1000Mbps
- Auto MDI / MDI-X function
- Store and Forward architecture

description		reference
19" 10/100/1000Mbps unmanaged switch	8 port	TLSG1008
	16 port	TLSG1016
	24 port	TLSG1024
	48 port	TLSG1048



10/100Mbps Gigabit-Uplink Unmanaged Switch

- IEEE802.3, 802.3u, 802.3ab, 802.3x Flow Control compatible
- Supports the port N-Way Auto-Negotiation, MDI / MDI-X, Store-and-Forward.
- Supports MAC address learning.
- Rack-mountable steel case.

description			reference
19" 10/100/1000Mbps unmanaged switch	8 port 10/100	1 port gigabit	TLSL1109
	16 port 10/100	1 port gigabit	TLSL1117
	24 port 10/100	2 port gigabit	TLSL1226
	48 port 10/100	2 port gigabit + 1 SFP	TLSL1351



10/100Mbps Gigabit-Uplink Managed Switch

- IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.3ad compatible
- Advanced standards: IEEE 802.1d, 802.1x, 802.1Q, 802.1p, IGMP Snooping, SNMP and more
- Supports SNMP, Web and Telnet/Console management
- VLAN tagging
- Supports firmware upgrade, configuration backed up and restored
- Rack-mountable steel case, internal power supply

description			reference
19" 10/100/1000Mbps uplink managed switch	24 port 10/100Mbps	2 port gigabit + 2 SFP	TLSL3428
	48 port 10/100Mbps	2 port gigabit + 2 SFP	TLSL3452



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19" 10/100/1000Mbps Gigabit Managed Switch



contact sales for
TPLINK modules

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3z compatible
- 8x 10/100/1000Mbps ports with auto-MDI / MDI-X
- 1 SFP independence expansion slot (MiniGBIC modules)
- 1 RS-232 Console port
- Automatic speed and half / full duplex detection / configuration
- Supports SNMP, Web and Telnet/Console management
- Store and Forward architecture
- Port Mirroring, Broadcast Storm Control, IGMP Snooping
- VLAN for performance and security

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GIGABIT
10/100/1000 Mbps

description			reference
gigabit managed switch	8 port	1 SFP port independant	TLSG3109

19" 10/100/1000Mbps Gigabit Web Smart Switch



contact sales for
TPLINK modules

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3z compatible
- Automatic speed and half / full duplex detection / configuration
- Quick and easy setup with Web-based management
- Store and Forward architecture
- Auto MDI / MDI-X function
- Supports Port Trunking, Port Mirroring, Broadcast Storm Control, Limit Rate
- VLAN for performance and security

TP-LINK®

GIGABIT
10/100/1000 Mbps

description			reference
19" gigabit web smart switch	8 port	1 SFP ports	TLSG2109WEB
	16 port	2 SFP ports	TLSG2216WEB
	24 port	2 SFP ports	TLSG2224WEB

19" 10/100/1000Mbps Gigabit Web Smart Managed Switch



contact sales for
DIGITUS modules

- IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3x compatible
- Automatic speed and half / full duplex detection / configuration
- Auto MDI / MDI-X function
- Port Mirroring
- VLAN for performance and security

DIGITUS®

GIGABIT
10/100/1000 Mbps

description			reference
19" gigabit web smart managed switch	16 port	4 SFP ports	DN8021B
	24 port		DN8022

19" 10/100Mbps Gigabit-Uplink Web Smart Switch



contact sales for
TPLINK modules

- 24x 10/100Mbps + 2x 10/100/1000Mbps UTP/STP RJ45 ports (Auto MDI / MDI-X) + 2x SFP independence expansion slots (MiniGBIC modules)
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z compatible
- Quick and easy setup with Web-based management
- Store and Forward architecture
- Supports Port Trunking, Port Mirroring, Broadcast Storm Control, Limit Rate
- VLAN for performance and security2 SFP ports

TP-LINK®

GIGABIT
10/100/1000 Mbps

description			reference
19" gigabit uplink web smart switch	8 port 10/100Mbps	1 gigabit + 1 SFP ports	TLSL2210WEB
	16 port 10/100Mbps	1 gigabit + 1 SFP ports	TLSL2218WEB
	24 port 10/100Mbps	2 gigabit + 2 SFP ports	TLSL2428WEB
	48 port 10/100Mbps	2 gigabit + 2 SFP ports	TLSL2452WEB

MEDIA CONVERTER

Fast Ethernet Media Converter

- IEEE 802.3, IEEE 802.3u, IEEE 802.3x compatible
- 10/100Mbps Auto-Negotiation and auto MID/MID-X for TX port.
- Converts 100Base-FX fiber to 100Base-TX copper media or vice versa
- Switching power adapter
- Stand alone use or rack-mountable

description	connector	transmission media	distance	reference	
100Mbps fiber converter	SC	MM, Cat-5	2 km	MC100CM	
	SC	SM, Cat-5	20 km	MC110CS	

10/100/1000Mbps Gigabit Media Converter

- IEEE 802.3ab and IEEE 802.3z compatible
- Works at 1000Mbps in Full-Duplex mode for both TX port and FX port.
- Supports auto MID/MID-X for TX port.
- Provides switch configuration of force /auto transfer mode for FX port.
- Converts 1000Base-FX fiber to 1000Base-T copper media or vice versa.
- Switching power adapter, stand alone use or rack-mountable

description	connector	transmission media	distance	reference	
1000Mbps fiber converter	SC	MM, TP - 850 nm	0.55/0.22 km	MC200CM	
	SC	SM, TP - 1310nm	15 km	MC210CS	
	LC	MM/SM, 850nm/1310nm	0.55/10 km	MC220L	



TP-LINK®



TP-LINK®

ETHERNET IEEE 802.3AF POE SWITCH

10/100Mbps Switch with 4 PoE ports

Power over Ethernet or PoE technology describes a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network.

- 8 port 10/100Mbps Desktop Switch including 4 PoE ports
- IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af compatible
- Auto MDI / MDI-X
- Store and Forward architecture
- Supports PoE power up to 15.4W for each PoE port and up to 53W for all PoE ports

description	reference	
10/100Mbps PoE switch	TLSF1008P	



TP-LINK®

PoE Receiver Adapter / PoE Supplier Adapter

- IEEE 802.3af standard compatible
- Delivers power up to 100 meters
- Adjustable output power
- Plug-and-Play installation



description	reference	
PoE receiver adapter	TLPOE10R	
PoE supplier adapter	TLPOE150S	



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& ACCESSORIES

SECURITY
& SURVEILLANCE



TP-LINK®

Cable/DSL SoHo Broadband Router with built-in 4-port Switch

- IEEE 802.3, IEEE 802.3u, IEEE 802.3x compatible
- 1x WAN, 4x LAN 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X)
- Built-in NAT and DHCP server supporting static IP address distributing
- Built-in Firewall supporting domain name filtering, and MAC address filtering
- Supports Virtual Server, Special Application, and DMZ host
- Supports Static Routing, VPN pass-through
- Supports firmware upgrade, remote and Web management

description		reference	
cable /DSL router with switch		TLR402M	



TP-LINK®

Cable/DSL SoHo Broadband Router with built-in Switch

- IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.1x compatible
- 1x WAN, 4/8x LAN 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X)
- Built-in NAT and DHCP server supporting static IP address distributing
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering, parental control
- Supports Virtual Server, Special Application, and DMZ host
- Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics, VPN pass-through
- Supports firmware upgrade, remote and Web management

description		reference	
cable /DSL router with switch	4 port switch	TLR460	
	8 port switch	TLR860	

Router for Small and Medium Business (SMB)



TP-LINK®

- 1x WAN, 9x LAN ports: 8x Gigabit RJ45, 1 SFP fiber expansion slot
- Intel IXP network processor, main frequency up to 533Hz
- Supports TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS
- Built-in basic managed switch, supports bandwidth control, VLAN and Port Mirror
- Supports VPN pass-through, UPnP and DDNS
- Supports Virtual Server, Special Application, DMZ host and Static Routing
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering
- Supports backup configuration and restore
- Web based management and remote management, firmware upgrade
- Standard 19" rack-mountable steel case

description		reference	
SMB broadband router	8 ports 10/100/1000Mbps 1 SFP port	TLR4199G	

Load Balance Broadband Router for Small and Medium Business (SMB) and Internet Cafe



TP-LINK®

- 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X)
- Supports TCP/IP, PPPoE, DHCP, ICMP, NAT, SNTP
- Provides dual/quad-bandwidth access and supports load balancing
- Built-in NAT and DHCP server supporting static IP address distributing
- Built-in firewall supporting IP address, domain name filtering and MAC address filtering, parental control
- Supports port bandwidth control, port mirror, port-based VLAN for LAN ports
- Supports Virtual Server, Special Application, and DMZ host
- Supports UPnP, Static Routing, VPN pass-through
- Supports remote and Web management, desktop or rack-mountable steel case

description		reference	
load balance broadband router	3 LAN / 2 WAN double bandwidth	TLR480T+	
	1 LAN / 4 WAN quad bandwidth	TLR488T	

Load Balance Broadband Router for Small and Medium Business (SMB) and Internet Cafe

- 8x 10/100/1000Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X) + 1x 1000Mbps Independent SFP port
- 2x WAN 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X)
- Supports TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS
- Provides dual-bandwidth access and supports Load Balancing
- Built-in basic managed switch, supports bandwidth control, VLAN and Port Mirror
- Supports UPnP, DDNS, VPN pass-through
- Built-in firewall supporting IP address filtering, domain name filtering, and MAC address filtering
- Supports Virtual Server, Special Application, DMZ host and Static Routing
- Web based management and remote management, firmware upgrade
- Standard 19" rack-mountable steel case

description		reference	
load balance broadband router	8 gigabit LAN + 1 SFP / 2 WAN double band	TLR4299G	



TP-LINK®

External ADSL2+ Router with 4 port Switch

- 1x WAN, 4x LAN 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X), (+1x USB 1.1 for TD8841 only)
- Connect your computer using Ethernet (or USB for TD8841)
- Access a high-speed DSL Internet connection
- Up to 24Mbps downstream speed
- Supports double upstream data rates
- Supports UPnP, Virtual Server, DMZ, Port Trigger, DDNS, DHCP Server and many more..
- Security: NAT, IP filtering, MAC filtering, parental control
- Configuration via internet or via the utility software

description		reference	
ADSL2+ router with 4 port switch		TD8840	
	+1 USB	TD8841	

ALSO Wireless ADSL2+ Router on page 7 & 9



TP-LINK®

External ADSL2+ Router with Bridge and NAT Router

- 1x 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X) + 1x RJ11 port
- Access a high-speed DSL Internet connection
- Up to 24Mbps downstream speed
- Supports Annex M, which can double upstream data rates
- Built-in DHCP server
- Administer and upgrade the router remotely over the Internet
- Easily configure the router with the attached utility

description		reference	
ADSL2+ router		TD8810	



TP-LINK®

External ADSL2+ Router with Bridge and NAT Router

- 1x 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI / MDI-X) + 1x RJ11 port
- Access a high-speed DSL Internet connection
- Up to 24Mbps downstream speed
- Supports Annex M, which can double upstream data rates
- Built-in DHCP server, UPnP
- IGMP snooping, IGMP multicast, Port VLAN, Tag VLAN
- Stateful Packet Inspection (SPI)
- Administer and upgrade the router remotely over the Internet

description		reference	
ADSL2/2+ Ethernet Router		TD8816	



TP-LINK®

ACTIVE
NETWORK COMPONENTS

PASSIVE
NETWORK COMPONENTS

FIBER OPTIC

DATACOM

ENCLOSURE
USB, FIREWIRE & SATA

CABLES
& ADAPTERS

ADD-ON CARDS
SCSI, USB, PARALLEL...

PERIPHERALS

PC CASE
COOLING

TOOLS
MAINTENANCE

MULTIMEDIA
& ACCESSORIES

SECURITY
& SURVEILLANCE

Fast Ethernet Print Server



- IEEE 802.3, IEEE 802.3u compatible
- Supports TCP/IP, IPX/SPX, NetBEUI and AppleTalk network protocols
- Supports LPR, IPP, SMB/TCP, Raw Printing and Unix Logical printing protocols
- Supports Server-Based printing (Novell NetWare and Windows)
- Supports DHCP Server and Client protocol
- Supports Web-based management, Windows Configuration Utility and SNMP protocol

description		reference
10/100Mbps print server	1 port parallel	DN13001W
	1 port USB	DN13003W
	2 port USB - 1 port parallel	DN13006W

Fast Ethernet Print Server



- IEEE 802.3 and 802.3u compatible
- Supports DHCP (client)
- Supports Internet Printing Protocol (IPP) and SMB
- Supports print job log
- Supports bi-directional function
- Supports Telnet, PSAdmin, SNMP, Web, HP Web JetAdmin / HP JetAdmin management
- Supports POST (Power On Self Test), Email Alert
- Supports firmware upgrade

description		reference
10/100Mbps print server	1 port USB 2.0	TLPS110U
	1 port parallel bi-directional	TLPS110P

Multifunction Server NetUSB integrated



- Print- File-and Scanserver in one device; NetUSB integrated
- Share USB 2.0 High-speed Devices on the network
- Supports single user NTFS hard drive access
- Supports SMB/CIFS and FTP file server with user level security
- LAN: 10/100Mbps

description		reference
10/100Mbps multifunction server	2 port USB 2.0	DN13007

Multifunction Server NetUSB integrated



- Supports all MFP functions, including Print, Scan, Fax, Copy & Storage
- IEEE 802.3 and 802.3u compatible
- 1x USB 2.0 port, 1x 10/100Mbps Fast Ethernet (auto-sensing)
- Supports DHCP (client)
- Supports MFP proprietary utility
- Supports WIA (Windows Image Acquisition)
- Provides Scan utility of Windows 2000, XP
- Supports bi-directional function
- Supports POST (Power On Self Test)
- Supports firmware upgrade

description		reference
10/100Mbps multifunction server	1 port USB 2.0	TLPS210U

Wireless Multifunction Server

- Print- File- and Scanserver in one device
- NetUSB integrated (DN13018)
- Share USB 2.0 High-speed Devices on the network
- Supports SMB/CIFS and FTP file server with user level security
- LAN: 10/100Mbps, WLAN IEEE 802.11g, 54Mbps



description		reference	
wireless multifunction server	2 port USB 2.0	DN13018	
		DN13015	

Wireless Multifunction Server

- 1x USB 2.0 Port
- IEEE 802.11g & 802.11b compatible
- Supports LPD / LPR (Standard TCP/IP Printer Port)
- Supports DHCP Client
- Supports POST (Power On Self Test)
- Provides 64/128 bits WEP Encryption, WPA/WPA2 Wireless Security
- WEB management and Windows-based utility
- Supports firmware upgrade



description		reference	
wireless print server	1 port USB 2.0	TLWPS510U	

Wireless Print Server

- IEEE 802.3, IEEE 802.3u and IEEE 802.11g/b compatible
- Supports TCP/IP, IPX/SPX, NetBEUI and AppleTalk network protocols and LPR, IPP, SMB/TCP, Raw Printing and Unix Logical printing protocols
- Supports peer-to-peer printing (TCP/IP/IPX/NetBEUI/AppleTalk) and server-based printing (Novell NetWare and Windows).
- Supports Web-based management and Windows Configuration Utility



description		reference	
wireless print server	1 port USB 2.0	DN13014	
	1 port CENTRONICS	DN13016	

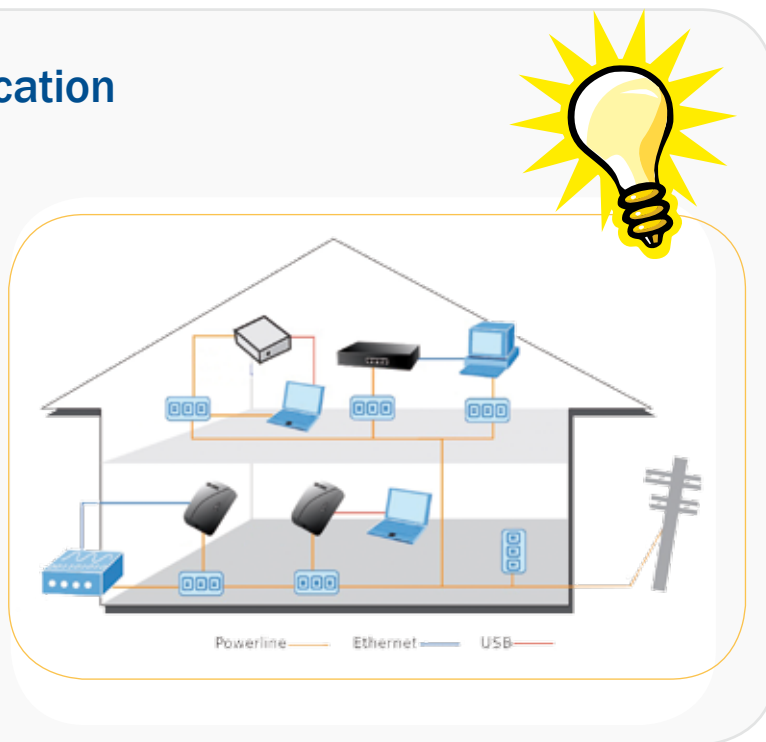
PLC - Powerline Communication

PLC, short for power line communications, the use of the existing utility power grid as the medium to send broadband data communications.

Power grids typically transmit electricity in three levels of voltage: low, medium and high. Medium voltage, typically ranging in the tens of thousands of volts, is what a utility substation will bring to a transformer, and the transformer will reduce the voltage into the low range before sending the electricity into a building. It is the low and medium voltages that PLC takes advantage of in order to transmit data at Ethernet-like speeds.

Some problems associated with the technology include no global technology standard, the different power usages of different countries, and the amount of noise that electronic equipment already produces on power lines.

PLC has applications in expansive networking, such as MANs or CANs, and smaller networking architectures, such as LANs and home networking.



High-Speed Powerline Ethernet Adapter, 85Mbps

- Powerline high-speed Ethernet Bridge with RJ45 connection for shared Internet access via DSL modem over the existing indoor power network
- Data transmission rates of up to 85Mbps over the building's own power network
- Range of up to 150 meters through rooms and across floors
- 3 country specific plugs included



description	reference
powerline ethernet bridge - 85 Mbps	DN15013

High-Speed Powerline Ethernet Adapter, 85Mbps

- For DATA/AUDIO/VIDEO Streaming on household
- High speed data transfer rate up to 85Mbps
- Easy Plug-and-Play operation, use existing electrical wiring
- Fully compatible HomePlug 1.0, work with AC input of 100V~240V
- 56-bit DES Encryption
- Transmission range up to 200 meters



description	reference
powerline ethernet bridge - 85Mbps	TLPA101

High-Speed Powerline Ethernet Adapter, 200Mbps

- Powerline high-speed Ethernet Bridge with RJ45 connection for shared Internet access via DSL modem over the existing indoor power network
- Data transmission rates of up to 200Mbps over the building's own power network
- Range of up to 150 meters through rooms and across floors



description	reference
powerline ethernet bridge - 200Mbps	DN15019

High-Speed Powerline Ethernet Adapter, 200Mbps

- IEEE 802.3 compatible, 10/100Mbps Ethernet
- Easy Plug-and-Play operation, use existing electrical wiring
- HomePlug AV standard compliant, with AC input of 100~240V
- Supports IGMP managed multicast IP transmission, optimizes IPTV streaming
- 128 bit AES Encryption
- Operating Range up to 200 meters



description	reference	
powerline ethernet bridge 200Mbps	TLPA201	

Ethernet Powerline 4 port Router

- 1x WAN, 4x LAN 10/100Mbps (MDI / MDI-X)
- DMZ and Virtual Server function provided operating modes include routing, bridge, static IP, PPPoE etc
- Supports DGCP, NAPT, NAT, ICMP, DDNS router functions
- The high-speed transfer rates of 85Mbps even make it possible to transmit video in DVD quality
- Operating range up to 200 meters
- Privacy through DES Encryption
- WEB management, firmware upgrade via HTTP



description	reference	
Ethernet powerline 4 port router	LOG15014	

Ethernet Powerline 4 port Switch

- 1x WAN, 4x LAN 10/100Mbps
- The high-speed transfer rates of 85Mbps even make it possible to transmit video in DVD quality
- Operating range up to 200 meters
- Privacy through DES Encryption



description	reference	
Ethernet powerline 4 port switch	LOG15013	

Ethernet Powerline 4 port Switch

- 1x WAN, 4x LAN 10/100Mbps
- Detachable antenna
- IEEE 802.3/802.3u and IEEE 802.11b / 802.11g compatible
- Supports data rates up to 54Mbps for wireless networks
- Supports up to 85Mbps data rates for powerline networking
- Supports 64/128-bit WEP, WPA, WPA2 security functions
- Supports operation mode in infrastructure function
- Operating range up to 200 meters
- Privacy through 56-bit DES Encryption



description	reference	
Ethernet powerline 4 port switch with 11g access point	LOG15015	



DIGITUS

NAS Server for USB Storage Devices

- NAS function (Network Attached Storage) to provide centralized data access and storage to the network
- 10/100Mbps Fast Ethernet & 1x USB 2.0 interface
- Provides FTP file server and SAMBA cross platform support
- Supported protocols: TCP/IP (Net BIOS Name Server), Microsoft Networks (CIFS/SMB), HTTP1.0 and HTML2.0, DHCP Server/Client (auto-detection)
- Easy installation and administration by web interface-no additional driver software needed

description	reference	
NAS server for HDD enclosure	DN7023	



ICY BOX

NAS and USB Storage Enclosure in one

- Aluminium Case for 3.5" SATA & IDE HDD
- 10/100Mbps Fast Ethernet & USB 2.0 interface
- Easy configuration via web browser
- 3 servers in one: Samba server; FTP Server; DHCP
- IP configuration static or DHCP
- Case noiseless

description	reference	
NAS / USB storage enclosure	TICY595	



DIGITUS

GIGABIT

Gigabit Ethernet NAS Enclosure for 2 x SATA HDD

- Built-in FTP and Samba server
- 10/100/1000Mbps Gigabit Ethernet / 2x USB 2.0 interface
- FTP/HTTP download agent
- Supports P2P download (Bit Torrent)
- Supports Media Server; iTunes Server, Supports USB disk Auto-Copy function
- Web Configuration

description	reference	
Gigabit NAS enclosure for SATA HDD	DN7024	



ICY BOX

Gigabit Ethernet NAS Enclosure for SATA HDD with OTB function

- For 3.5" SATA HDD - (1 TB)
- 10/100/1000Mbps Gigabit Ethernet & USB 2.0 interface
- Easy configuration via web browser
- 7 servers in one: Samba server; NFS server, FTP server; DHCP, UPnP-AV, Print Server, iTunes support
- One Touch Backup

description	reference	
Gigabit NAS enclosure for SATA HDD with OTB	TICY750	



ICY BOX

GIGABIT

Gigabit Dual RAID NAS for 3.5" SATA HDD

- For 2 x 3.5" SATA HDD of any size
- 10/100/1000Mbps Gigabit Ethernet / 2x USB interface
- Easy configuration via web browser, One Touch Backup
- RAID0, 1, Span (NRAID), JBOD
- 7 servers in one: Samba Server; NFS Server, FTP Server; DHCP Server (automatic network configuration); UPnP-AV (Twonky Media Server, 30 days test version); iTunes; Supports Print server

description	reference	
Gigabit Dual RAID NAS	TICY605	



STARDOM
STORAGE SOLUTIONS

GIGABIT

Gigabit NAS/RAID System

- For 2 x 3.5" SATA HDD
- 10/100/1000Mbps Gigabit Ethernet / USB 2.0 interface
- Supports RAID 0, 1
- Supports FTP, DHCP, File Server and Management
- Supports iTunes Server, BTorrent Client
- Protocol (CIFS/SMB, NFS, FTP)

description	reference	
Gigabit NAS/RAID system	TSD225	